



IN 09/730,375

**PATENT**

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

Applicant:	Charles Simonyi	Examiner:	Unknown
Serial No.:	09/730375	Group Art Unit:	Unknown
Filed:	12/05/2000	Docket:	777.355US6
Title:	METHOD AND SYSTEM FOR GENERATING A COMPUTER PROGRAM		

**PRELIMINARY AMENDMENT**

Commissioner for Patents  
Washington, D.C. 20231

Before taking up the above-identified application for examination, please amend it as follows:

**IN THE SPECIFICATION**

Please make the paragraph substitutions indicated in the appendix entitled Clean Version of Amended Specification Paragraphs. The specific changes incorporated in the substitute paragraphs are shown in the following marked-up versions of the original paragraphs:

On page 1, please delete lines 8-10.

On page 1, line 7, after "Cross-Reference to Prior Application" please insert --This application is a continuation of U.S. Serial No.: 08/884,441, filed June 27, 1997, which is a divisional of U.S. Serial No.: 08/431,049, filed April 28, 1995, which is a continuation-in-part of U.S. Serial No.: 08/145,689, filed October 29, 1993, which is hereby incorporated by reference.--

**IN THE CLAIMS**

Please substitute the claim set in the appendix entitled Clean Version of Pending Claims for the previously pending claim set. Specific amendments to individual claims are detailed in the following marked up set of claims.

Please cancel claim 1.

Please add the following new claims:

13. A computer readable medium having information stored thereon to cause a computer to implement a method of handling data, the method comprising:

identifying a first node expressing a programming intent;

identifying a further node based on the first node, wherein the further node contains data;

and

identifying a unique name for code associated with the programming intent.

14. The computer readable medium of claim 13 and wherein the method further comprises:  
executing the code identified by the unique name.
15. The computer readable medium of claim 13 wherein the code comprises low level  
computational constructs.
16. The computer readable medium of claim 13 wherein further nodes comprise a  
hierarchical tree of nodes, each identifying a programming intent.
17. A method of handling data, the method comprising:  
reading a first node that expresses a programming intent;  
identifying a further node based on the first node, wherein the further node contains data;  
and  
identifying a unique name for code associated with the programming intent.
18. The method of claim 17 and wherein the method further comprises:  
executing the code identified by the unique name.
19. The method of claim 17 wherein the code comprises low level computational constructs.
20. The method of claim 17 wherein further nodes comprise a hierarchical tree of nodes  
identifying a programming intent.
21. A data structure stored on a computer readable medium, the data structure comprising:  
a first node representative of a programming intent;  
a second node having data, the first node having a unique identifier of the second node;  
and  
wherein the first node uniquely identifies code for implementing the programming intent.
22. The data structure of claim 21 wherein the further nodes comprise a hierarchical tree of  
nodes representative of programming intent, and each node uniquely identifying code for  
implementing their respective programming intents.

23. The data structure of claim 22 wherein the nodes comprise nodes selected from multiple different computational constructs.

24. A data structure stored on a computer readable medium representing a node in a tree, the data structure comprising:

- a node type tag and unique identifier pointing to implementation code;
- an optional data section; and
- a list of offspring of the node identified by tag and a list of pointers to further nodes.


#### REMARKS

Claim 1 has been canceled, and claims 13 - 24 have been added and are now pending.

The Examiner is invited to contact applicant's representatives at the below-listed telephone number if any questions arise during examination.

Respectfully submitted  
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By their Representatives,  
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Date 5-1-2001

By   
Bradley A. Forrest  
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I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail in an envelope addressed to Assistant Commissioner of Patents, Washington, D.C. 20231 on May 15, 2001.

Name PATRICIA A. HULTMAN

Signature 



**CLEAN VERSION OF AMENDED SPECIFICATION PARAGRAPHS**

**METHOD AND SYSTEM FOR GENERATING A COMPUTER PROGRAM**

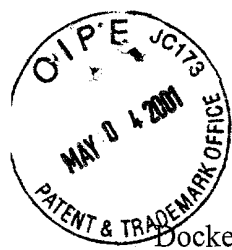
Applicant: Charles Simonyi

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**Cross-Reference to Prior Application**

This application is a continuation of U.S. Serial No.: 08/884,441, filed June 27, 1997, which is a divisional of U.S. Serial No.: 08/431,049, filed April 28, 1995, which is a continuation-in-part of U.S. Serial No.: 08/145,689, filed October 29, 1993, which is hereby incorporated by reference.

08/884,441



Docket No. 00777.355US6

MS Number 9982.1

**Clean Version of Pending Claims**

**METHOD AND SYSTEM FOR GENERATING A COMPUTER PROGRAM**

Applicant: Charles Simonyi

Serial No.: 09/730,375

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13. A computer readable medium having information stored thereon to cause a computer to implement a method of handling data, the method comprising:
- identifying a first node expressing a programming intent;
  - identifying a further node based on the first node, wherein the further node contains data;
  - and
  - identifying a unique name for code associated with the programming intent.
14. The computer readable medium of claim 13 and wherein the method further comprises: executing the code identified by the unique name.
15. The computer readable medium of claim 13 wherein the code comprises low level computational constructs.
16. The computer readable medium of claim 13 wherein further nodes comprise a hierarchical tree of nodes, each identifying a programming intent.
17. A method of handling data, the method comprising:
- reading a first node that expresses a programming intent;
  - identifying a further node based on the first node, wherein the further node contains data;
  - and
  - identifying a unique name for code associated with the programming intent.
18. The method of claim 17 and wherein the method further comprises: executing the code identified by the unique name.

TECHNOLOGY

19. The method of claim 17 wherein the code comprises low level computational constructs.
20. The method of claim 17 wherein further nodes comprise a hierarchical tree of nodes identifying a programming intent.
21. A data structure stored on a computer readable medium, the data structure comprising:  
a first node representative of a programming intent;  
a second node having data, the first node having a unique identifier of the second node;  
and  
wherein the first node uniquely identifies code for implementing the programming intent.
22. The data structure of claim 21 wherein the further nodes comprise a hierarchical tree of nodes representative of programming intent, and each node uniquely identifying code for implementing their respective programming intents.
23. The data structure of claim 22 wherein the nodes comprise nodes selected from multiple different computational constructs.
24. A data structure stored on a computer readable medium representing a node in a tree, the data structure comprising:  
a node type tag and unique identifier pointing to implementation code;  
an optional data section; and  
a list of offspring of the node identified by tag and a list of pointers to further nodes.